

4. (Amended) A spacer as set forth in claim 1 or 2, wherein the average roughness of the groove bottoms of said spiral grooves is 1.2 $\mu$ m or less.

5. (Amended) A spacer as set forth in claim 1 or 2, wherein the spiral progression angle ( $\beta$ ), as determined by:

$\tan \beta = (d \times \pi \times \theta / 360) / p$

where d is the outer diameter,  $\theta$  is the spiral groove inversion angle, and p is the spiral groove inversion pitch, is set in the range, 5 to 15°.

6. (Amended) An optical fiber cable characterized in using a spacer as set forth in claim 1 or 2 to house a plurality of tape-form optical fibers in at least one or more spiral grooves.

7. (Amended) An optical fiber cable characterized in using a spacer as set forth in claim 1 or 2 to house a single-core optical fiber in at least one or more spiral grooves.

13. (Amended) A method for producing a spacer for optical fiber cable as set forth in claim 9 or 10, wherein said predetermined angle is set to an angle of within 30° to 150°.

14. (Amended) A method for producing a spacer for optical fiber cable as set forth in any of claims 8 through 10, wherein the drawdown is set to 70% or more.

The Appendix hereto shows the changes made in the claims.



A DOCPHOENIX

BACKFILE DOCUMENT INDEX SHEET

**APPL PARTS**

\_\_\_\_\_ IMIS \_\_\_\_\_  
Internal Misc. Paper

\_\_\_\_\_ LET. \_\_\_\_\_  
Misc. Incoming Letter

\_\_\_\_\_ 371P \_\_\_\_\_  
PCT Papers in a 371 Application

\_\_\_\_\_ A... \_\_\_\_\_  
Amendment Including Elections

\_\_\_\_\_ ABST \_\_\_\_\_  
Abstract

\_\_\_\_\_ ADS \_\_\_\_\_  
Application Data Sheet

\_\_\_\_\_ AF/D \_\_\_\_\_  
Affidavit or Exhibit Received

\_\_\_\_\_ APPENDIX \_\_\_\_\_  
Appendix

\_\_\_\_\_ ARTIFACT \_\_\_\_\_  
Artifact

\_\_\_\_\_ BIB \_\_\_\_\_  
Bib Data Sheet

\_\_\_\_\_ CLM \_\_\_\_\_  
Claim

\_\_\_\_\_ COMPUTER \_\_\_\_\_  
Computer Program Listing

\_\_\_\_\_ CRFL \_\_\_\_\_  
All CRF Papers for Backfile

\_\_\_\_\_ DIST \_\_\_\_\_  
Terminal Disclaimer Filed

\_\_\_\_\_ DRW \_\_\_\_\_  
Drawings

\_\_\_\_\_ FOR \_\_\_\_\_  
Foreign Reference

\_\_\_\_\_ FRPR \_\_\_\_\_  
Foreign Priority Papers

\_\_\_\_\_ IDS \_\_\_\_\_  
IDS Including 1449

\_\_\_\_\_ NPL \_\_\_\_\_  
Non-Patent Literature

\_\_\_\_\_ OATH \_\_\_\_\_  
Oath or Declaration

\_\_\_\_\_ PET. \_\_\_\_\_  
Petition

\_\_\_\_\_ RETMAIL \_\_\_\_\_  
Mail Returned by USPS

\_\_\_\_\_ SEQLIST \_\_\_\_\_  
Sequence Listing

\_\_\_\_\_ SPEC \_\_\_\_\_  
Specification

\_\_\_\_\_ SPEC NO \_\_\_\_\_  
Specification Not in English

\_\_\_\_\_ TRNA \_\_\_\_\_  
Transmittal New Application

\_\_\_\_\_ CTNF \_\_\_\_\_  
Count Non-Final

\_\_\_\_\_ CTRS \_\_\_\_\_  
Count Restriction

\_\_\_\_\_ EXIN \_\_\_\_\_  
Examiner Interview

\_\_\_\_\_ M903 \_\_\_\_\_  
DO/EO Acceptance

\_\_\_\_\_ M905 \_\_\_\_\_  
DO/EO Missing Requirement

\_\_\_\_\_ NFDR \_\_\_\_\_  
Formal Drawing Required

\_\_\_\_\_ NOA \_\_\_\_\_  
Notice of Allowance

\_\_\_\_\_ PETDEC \_\_\_\_\_  
Petition Decision

**OUTGOING**

\_\_\_\_\_ CTMS \_\_\_\_\_  
Misc. Office Action

\_\_\_\_\_ 1449 \_\_\_\_\_  
Signed 1449

\_\_\_\_\_ 892 \_\_\_\_\_  
892

\_\_\_\_\_ ABN \_\_\_\_\_  
Abandonment

\_\_\_\_\_ APDEC \_\_\_\_\_  
Board of Appeals Decision

\_\_\_\_\_ APEA \_\_\_\_\_  
Examiner Answer

\_\_\_\_\_ CTAV \_\_\_\_\_  
Count Advisory Action

\_\_\_\_\_ CTEQ \_\_\_\_\_  
Count Ex parte Quayle

\_\_\_\_\_ CTFR \_\_\_\_\_  
Count Final Rejection

**INCOMING**

\_\_\_\_\_ AP.B \_\_\_\_\_  
Appeal Brief

\_\_\_\_\_ C.AD \_\_\_\_\_  
Change of Address

\_\_\_\_\_ N/AP \_\_\_\_\_  
Notice of Appeal

\_\_\_\_\_ PA.. \_\_\_\_\_  
Change in Power of Attorney

\_\_\_\_\_ REM <sup>3</sup> \_\_\_\_\_  
Applicant Remarks in Amendment

\_\_\_\_\_ XT/ \_\_\_\_\_  
Extension of Time filed separate

**Internal**

\_\_\_\_\_ SRNT \_\_\_\_\_  
Examiner Search Notes

\_\_\_\_\_ CLMPTO \_\_\_\_\_  
PTO Prepared Complete Claim Set

\_\_\_\_\_ ECBOX \_\_\_\_\_  
Evidence Copy Box Identification

\_\_\_\_\_ WCLM \_\_\_\_\_  
Claim Worksheet

\_\_\_\_\_ WFEE \_\_\_\_\_  
Fee Worksheet

**File Wrapper**

\_\_\_\_\_ FWCLM \_\_\_\_\_  
File Wrapper Claim

\_\_\_\_\_ IIFW \_\_\_\_\_  
File Wrapper Issue Information

\_\_\_\_\_ SRFW \_\_\_\_\_  
File Wrapper Search Info


**REMARKS**

This simply eliminates the informalities of any multiple dependent claim depending from another multiple dependent claim and conforms the title to the herewith submitted Declaration/Power of Attorney.

Respectfully submitted,

Jordan and Hamburg LLP

By



C. Bruce Hamburg

Reg. No. 22,389

Attorney for Applicants

122 East 42nd Street  
New York, New York 10168  
(212) 986-2340

09/05/2004 10:50:20